

LABdex



3 L Muffle Furnace LX555MF

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Description

3 L Muffle Furnace LX555MF is a microprocessor controlled chamber with stable PID temperature control system. Equipped with a rapid heating speed of 60 mins to reach 1600°C, the chamber adopts vacuum forming ceramic fiber with no power drops off with high temperature. Temperature uniformity with excellent protection of heating elements (MoSi2 rod) is maintained. One press start button for pre-set programmes with alerting signal for overheating of chamber.

Specifications

Volume	3 L
Maximum temperature	1700 °C
Heating element	MoSi2
Heating speed	60 mins to reach 1600°C
Working temperature	1650 °C
Temperature precision	± 1 °C
Programmable groups	2
Programmable segments	8
Chamber material	Alumina Ceramic Fiber
Thermocouple	B style
Voltage	220 V
Power	4 kW
Dimension (W x L x H)	150 x 150 x 150 mm

Features

- ✓ High temperature heating alloy wire for heating elements
- ✓ Rapid heating speed is 60 mins to reach 1600°C
- ✓ PID controlled temperature controller with a precision of 1 °C
- ✓ One button press start for pre-programmed functions
- ✓ Durable inner lining of light insulating bricks
- ✓ Double walled housing for high stability and easy air circulation
- ✓ MoSi2 heating rod
- ✓ Alert signal for overheating of chamber
- ✓ Heat curve can be preset with the programmable function
- ✓ 2 programmable groups with 8 segments in each group

Applications

- ✓ Used for fusing glass, soldering, brazing, creating enamel coatings, ceramics , research centers, medical laboratories to determine the non-volatile and non-combustible proportion of the sample and for highly sophisticated metallurgical applications

Standard Accessories

Accessory No	Accessory
1	Crucible tong
2	High temperature gloves

Optional Accessories

Accessory No	Accessory
1	Paperless recorder

2	Alumina crucible
3	Stainless steel exhaust chamber



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